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<u>L10</u>	L9 and (address with (compar\$6 or match\$3))	49	<u>L10</u>
<u>L9</u>	hash\$3 same table	1107	<u>L9</u>
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<u>L7</u>	L6 and (address with (compar\$6 or match\$3))	115	<u>L7</u>
<u>L6</u>	L5 and (address near4 table)	198	<u>L6</u>
<u>L5</u>	711/216,221.ccls.	365	<u>L5</u>
<u>L4</u>	L3 and (table with (concurrent\$3 or parallel or simultaneous\$2) near6 access\$3)	95	<u>L4</u>

L3 L2 and (table with (compar\$6 or match\$3))

2480 L3

L2 hash\$3 same table

6595 L2

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L1 (5032987 OR 5923660 OR 5649109 OR 5633858).PN.

4 L1

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(hash* <sentence> table) and ((table or bank) <sentence> ((

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Terms used

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1 Technique for automatically correcting words in text

Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Full text available: [pdf\(6.23 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), c

Research aimed at correcting words in text has focused on three progressively more difficult problems: (1) word error correction; and (2) context-dependent word correction. In response to the first problem, techniques have been developed for detecting strings that do not appear in a given word list. In response to the second, general and application-specific spelling correction techniques have been developed.

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, processing models, neural net classifiers, spell checking, spelling error detection, spelling error pattern recognition and correction

2 An implementable semantics for comparative constructions

Manny Rayner, Amelie Banks

June 1990 **Computational Linguistics**, Volume 16 Issue 2

Full text available: [pdf\(2.42 MB\)](#) [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), c

We describe a comprehensive treatment of the syntax and semantics of comparative constructions that can be implemented in a relatively straightforward fashion within a feature-based phrase-structure grammar. The grammar handles "phrasal" constructions; in contrast to most previous theories, however, phrasals are not regarded as defining a Montagovian semantics for phrasal comparatives that do not require a full sentence.

3 A program for aligning sentences in bilingual corpora

William A. Gale, Kenneth W. Church

June 1991 **Proceedings of the 29th conference on Association for Computational Linguistics**

Full text available: [pdf\(625.95 KB\)](#) [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), c



Researchers in both machine translation (e.g., Brown *et al.*, 1990) and bilingual lexicography (e.g., Brown *et al.*, 1990) have become interested in studying parallel texts, texts such as the Canadian Hansards (parliamentary proceedings in French and English). This paper describes a method for aligning sentences in these parallel texts on character lengths. The method was developed and tested on a set of parallel texts.

4 Aligning sentences in parallel corpora

Peter F. Brown, Jennifer C. Lai, Robert L. Mercer

June 1991

Proceedings of the 29th conference on Association for Computational Linguistics

Full text available:  [pdf\(564.77 KB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

In this paper we describe a statistical technique for aligning sentences with their translations in two points that are available in our data, the only information about the sentences that we use for calculation they contain. Because we make no use of the lexical details of the sentence, the alignment computation to very large collections of text. We have used t ...

5 Spoken dialogue technology: enabling the conversational user interface

March 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 1

Full text available:  [pdf\(987.69 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

Spoken dialogue systems allow users to interact with computer-based applications such as database language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research conversational interfaces. However, it is only within the last decade or so, with major advances in systems have been developed and, in some cases, introduced into commercial ...


Keywords: Dialogue management, human computer interaction, language generation, language input synthesis

6 An Unclever Time-Sharing System

Caxton C. Foster

January 1971

ACM Computing Surveys (CSUR), Volume 3 Issue 1

Full text available:  [pdf\(1.85 MB\)](#)



Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

This paper describes the internal structure of a time-sharing system in some detail. This system is simple file structure. It is intended for use in a university type environment where there are many turnaround. Despite its simplicity, this system can serve as a useful introduction to the problems of a system. Included are a discussion of the command ...

7 Knowledge representation for commonsense reasoning with text

Kathleen Dahlgren, Joyce McDowell, Edward P. Stabler

September 1989 **Computational Linguistics**, Volume 15 Issue 3

Full text available:  [pdf\(2.52 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [references](#), [citations](#)

8 Sentence generation by semantic concordance

Toshiyuki Sakai, Makoto Nagao

May 1965

Proceedings of the 1965 conference on Computational linguistics

Full text available:  [pdf\(1.05 MB\)](#)



Additional Information: [full citation](#), [abstract](#), [references](#)

Generation of English sentence is realized in the following three steps. First, the generation of kernel application of transformational rules to the kernel sentence; and finally the completion of a sentence. In the first stage of generating kernel sentence, the semantics of words are fully utilized. The method is: (subject noun and predicate verb, verb and object ...

9 The interaction of knowledge sources in word sense disambiguation

Mark Stevenson, Yorick Wilks

September 2001 **Computational Linguistics**, Volume 27 Issue 3

Full text available:  [pdf\(2.16 MB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

Word sense disambiguation (WSD) is a computational linguistics task likely to benefit from the tra artificial in telligence research. An important step in the exploration of this hypothesis is to determ useful and whether their combination leads to improved results. We present a sense tagger which exceeds 94% on our evaluation corpus.Our system attempts ...

10 The FINITE STRING Newsletter: Abstracts of current literature

Computational Linguistics Staff

January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

Full text available:



pdf(6.15 MB)



Publisher

Additional Information: [full citation](#)

[Site](#)

11 A maximum entropy approach to natural language processing

Adam L. Berger, Vincent J. Della Pietra, Stephen A. Della Pietra

March 1996 **Computational Linguistics**, Volume 22 Issue 1

Full text available:



pdf(1.87 MB)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

The concept of maximum entropy can be traced back along multiple threads to Biblical times. Only powerful enough to permit the widescale application of this concept to real world problems in stati paper, we describe a method for statistical modeling based on maximum entropy. We present a m constructing maximum entropy models and describe how to implement this app ...

12 The nested rectangular array as a model of data

Trenchard More

May 1979

ACM SIGAPL APL Quote Quad , Proceedings of the international conference

Full text available:



pdf(2.11 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

Data, like electricity and gravity, are part of the world in which we live. Some occur naturally, as i consequence of language and social organization. The search for a theory of data, which begins wi interesting as the development of theories in physics, economics, and psychology. Most models of of APL, the one-axis nested list of LISP, and the s ...

13 Special issue on using large corpora: I: Introduction to the special issue on computational lin

Kenneth W. Church, Robert L. Mercer

March 1993 **Computational Linguistics**, Volume 19 Issue 1

Full text available:



pdf(1.80 MB)



[Publisher Site](#)

Additional Information: [full citation](#), [references](#), [citations](#)

14 Special issue on using large corpora: I: Text-translation alignment

Martin Kay, Martin Röscheisen

March 1993

Computational Linguistics, Volume 19 Issue 1

Full text available:



pdf(1.20 MB)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)



We present an algorithm for aligning texts with their translations that is based only on internal evi which word in one text corresponds to which word in the other text that is essentially based on the partial alignment of the word level to induce a maximum likelihood alignment of the sentence leve refine the word level estimate. The algorithm appe ...

15 Parsing and interpreting comparatives

Manny Rayner, Amelie Banks

June 1988

Proceedings of the 26th conference on Association for Computational Lingu

Full text available:  [pdf\(775.11 KB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

We describe a fairly comprehensive handling of the syntax and semantics of comparative construc developed by Pinkham, but we advance arguments to support a different handling of phrasal comp interpretation instead of C-ellipsis. We explain the reasons for dividing comparative sentences into give an example of the corresponding Montague semantics. The ideas have ...

16 Subject-dependent co-occurrence and word sense disambiguation

Joe A. Guthrie, Louise Guthrie, Yorick Wilks, Homa Aidinejad

June 1991

Proceedings of the 29th conference on Association for Computational Lingu

Full text available:  [pdf\(562.22 KB\)](#)  [Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

We describe a method for obtaining subject-dependent word sets relative to some (subject) doma machine-readable version of Longman's Dictionary of Contemporary English, we established subjec the defining vocabulary to construct these "neighborhoods". Here, we describe the application of t present a method of word sense disambiguation based on these co-o ...

17 Papers: Aligning more words with high precision for small bilingual corpora

Sur-Jin Ker, Jason J. S. Chang

August 1996

Proceedings of the 16th conference on Computational linguistics - Volume 1

Full text available:  [pdf\(605.24 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)


In this paper, we propose an algorithm for aligning words with their translation in a bilingual corpu word models which require bilingual data with hundreds of thousand sentences for training. By usi words with diverse translations generally do not have statistically significant evidence for confiden alignments occur. Our algorithm attempts to handle th ...

18 Natural language querying of historical databases

James Clifford

December 1988

Computational Linguistics, Volume 14 Issue 4

Full text available:  [pdf\(2.82 MB\)](#)  [Publisher Site](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

In this paper we examine the connection between two areas of semantics, namely the semantics c language querying, and link them together via a common view of the semantics of time. Since the database, we present the essential features of the Historical Relational Database Model (HRDM), a the desire to incorporate more "real world" semantics into a database ...

19 The FINITE STRING newsletter: Abstracts of current literature

Computational Linguistics Staff

July 1984 **Computational Linguistics**, Volume 10 Issue 3-4

Full text available:  [pdf\(2.30 MB\)](#)

 [Publisher Site](#)

Additional Information: [full citation](#)

20 A general explanation component for conceptual modeling in CASE environments

Jon Atle Gulla

July 1996

ACM Transactions on Information Systems (TOIS), Volume 14 Issue 3

Full text available:  [pdf\(313.25 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

In information systems engineering, conceptual models are constructed to assess existing informa ones. As these models serve as a means for communication between customers and developers, it models, as well as that the models form a proper basis for the subsequent design and implementa now experimenting with formal modeling languages and various technique ...

Keywords: conceptual modeling, explanation generation, help systems, linguistics, paraphrasing,

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